

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Divisional Application of:

Hector F. DeLuca  
Rafal R. Sicinski  
Pawel K. Grzywacz  
Attorney Docket: 1256-00941

**Parent Application Data:**

Application No.: 10/127,180

Filed: April 22, 2002

Examiner: Sabiha Naim Qazi

Group Art Unit: 1616

(20S)-1 $\alpha$ -Hydroxy-2 $\alpha$ -Methyl and  
2 $\beta$ -Methyl-19-Nor-Vitamin D<sub>3</sub> and  
Their Uses

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INFORMATION DISCLOSURE STATEMENT

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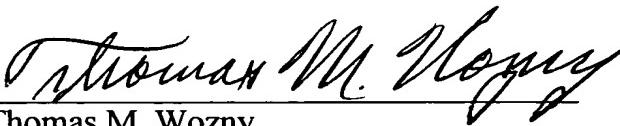
The references listed on the enclosed PTO Form 1449 are being submitted in  
the above-identified patent application in accordance with 37 CFR 1.97(b)(1).

A copy of each of the listed references is enclosed in compliance with the rules.

Respectfully submitted,

ANDRUS, SCEALES, STARKE & SAWALL, LLP

By

  
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet 1 of 2

**Complete if Known**

Application Number	
Filing Date	January 22, 2004
First Named Inventor	Hector F. DeLuca
Art Unit	
Examiner Name	
Attorney Docket Number	1256-00941

## **U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**Examiner Signature** \_\_\_\_\_ **Date Considered** \_\_\_\_\_

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number	
				Filing Date	January 22, 2004
				First Named Inventor	Hector F. DeLuca
				Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	1256-00941

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
		SICINSKI ET AL, "New 1Alpha-25-Dihydroxy-19-Norvitamin D3 Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues," Journal of Medicinal Chemistry, American Chemical Society, 22 October 1998, pp. 4662-4674, Vol. 41, XP002105465.			
		BOUILLOU ET AL, "Structure-Function Relationships in the Vitamin D Endocrine System," Endocrine Reviews, April 1995, pp. 200-257, Vol. 16, No. 2, XP002247361.			
		CASTEDO ET AL, Palladium-Catalyzed Synthesis of Dienynes Related to Vitamin D from Enol Triflates," Tetrahedron Letters, 1986, pp. 1523-1526, Vol. 27, No. 13, XP009013726.			

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